IN THE CLAIMS

Please cancel claims 21-30 and amend the remaining claims as follows.

The listing of claims will replace all prior versions, and listings, of claims in

the application:

Listing of Claims:

1. (Currently amended) A memory cell comprising:

two electrodes;

a polymeric body, between the electrodes, having a plurality of roughness

formations on a surface thereof, the roughness formations having a height, the

polymeric body maintaining a charge after a voltage is applied across the electrodes;

and

an interface material having first and second portions, the first portion being

between one of the electrodes and the surface of the polymeric body and having a

first thickness that is greater than the height of the roughness formations, the second

portion being between the other electrode and an opposing surface of the polymeric

body and having a second thickness that is less than the first thickness between at

least one of the electrodes and the surface of the polymeric body, having a thickness

being greater than the height of the roughness formations.

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2. (Original) The memory cell of claim 1, wherein the polymeric body maintains

a second charge after a second voltage is applied across the electrodes.

3. (Original) The memory cell of claim 2, wherein the interface material

completely separates the at least one electrode and the polymeric body.

4. (Original) The memory cell of claim 3, wherein the thickness of the interface

material is at least 150 angstroms.

5. (Original) The memory cell of claim 4, wherein the electrodes are metal.

6. (Original) The memory cell of claim 5, wherein the electrodes are made of at

least one of titanium nitride, titanium, and aluminum.

7. (Original) The memory cell of claim 6, wherein the polymeric body is

ferroelectric.

8. (Original) The memory cell of claim 7, wherein the polymeric body includes

fluorine.

9. (Original) The memory cell of claim 8, wherein the height of the roughness

formation is between 600 and 1000 angstroms.

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10. (Original) The memory cell of claim 6, wherein the interface material is titanium oxide.

11. (Currently amended) A semiconductor device comprising;

a substrate;

a first layer, on the substrate, having a plurality of first conductive lines therein;

a second layer, on the first layer, having a plurality of lower interface sections, each lower interface section being over at least a portion of at least one of the first conductive lines, each lower interface section having a first thickness;

a second third layer, on the first second layer, having a plurality of polymeric sections, each polymeric section being over at least a portion of at least one of the lower interface sections first conductive lines, the polymeric sections having a plurality of roughness formations on a surface thereof, the roughness formations having a height;

a third fourth layer, on the second third layer, having a plurality of upper interface sections, each upper interface section being adjacent to at least one of the polymeric sections, each upper interface section having a second thickness that is greater than the height of the roughness formations and the first thickness; and

a fourth fifth layer, on the third fourth layer, having a plurality of second conductive lines therein, each second conductive line extending over at least one first conductive line, at least one polymeric section, and at least one upper and lower

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interface section to form a plurality of memory cells such that a voltage applied

across one of the first conductive lines and one of the second conductive lines

changes a charge of the polymeric section from a first value to a second value.

12. (Original) The semiconductor device of claim 11, wherein the thickness of

each interface section is at least 150 angstroms.

13. (Original) The semiconductor device of claim 12, wherein the substrate is

silicon and has mircoelectronic circuitry formed therein.

14. (Original) The semiconductor device of claim 13, further comprising an

insulating layer between the substrate and the first layer.

15. (Original) The semiconductor device of claim 14, wherein the insulating layer

is silicon oxide.

16. (Original) The semiconductor device of claim 15, wherein the first and

second conductive lines are made of at least one of titanium nitride, titanium, and

aluminum.

17. (Original) The semiconductor device of claim 16, wherein the polymeric

sections are ferroelectric.

18. (Original) The semiconductor device of claim 17, wherein the height of the roughness formations is between 600 and 1000 angstroms.

19. (Original) The semiconductor device of claim 18, wherein the interface sections are made of titanium oxide.

20. (Original) The semiconductor device of claim 19, wherein said layers are stacked vertically.

21-30. (Cancelled)

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